

# IEEE Photonics Chapter Sweden

IEEE Chapter Chair Workshop & YP, WiE & SB  
05/10/2017, Stockholm, Sweden

**Patryk Urban, Chapter Board Chairman**

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<http://sites.ieee.org/sweden/p-photonics/>



# IEEE Photonics Chapter Sweden, 2017

Patryk Urban (Chair), Ericsson  
Arne Alping (Vice Chair), Ericsson  
Phillipe Tassin (Secretary), Chalmers Univ.  
Michael Huels (Treasurer), Univ. Sherbrooke  
Lech Wosinski, KTH  
Anders Larsson, Chalmers Univ.  
Qin Wang, RISE Acreo

## ➤ Several technical events:

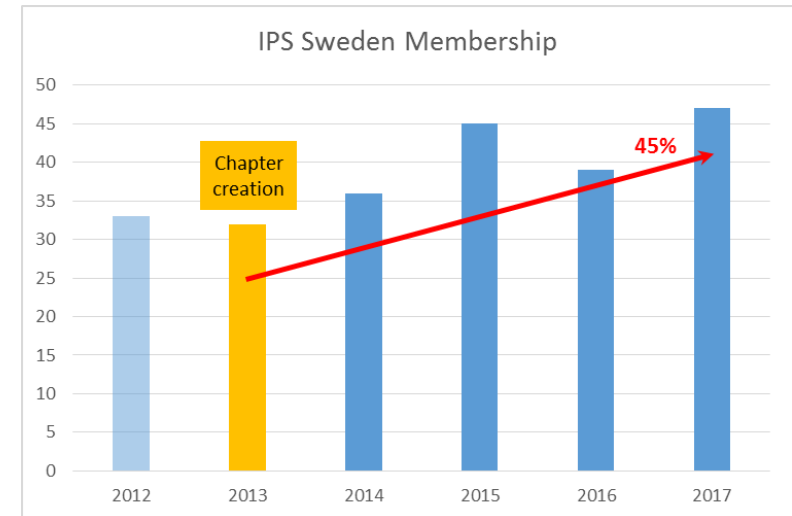
- 2 topical workshops (Nanophotonics Q4 with best PhD award, ECOC Q3)
- 1 WIE/WIP event (ECOC Q3)
- 1 conference (OPS Q4 with poster award)

## ➤ Chapter's performance and operations:

- Collaboration with academia, industry and with other organizations e.g. PhotonicSweden
  - 3 coordination meetings with photonics organizations in Sweden (PLF Q1, Q2, Q3) [LINK](#)
- Working very close with IEEE PS HQ: various financing opportunities, DL, WIP and membership outreach opportunities
  - Record year 2017: over USD 12.500 !!!

## ➤ Membership Growth:

- 09/2016-09/2017: 20%
- Since the Chapter creation: 45%



# Road to 5G

## and Photonics for 5G Mobile Networks, 09/2017

- 16 invited speakers (Nokia, Ericsson, Huawei, NTT, ADVA, TU/e, KTH, SSSA, IMEC, UPV etc.)
- ~200 workshop participants, free lunch



17-21/09/2017, Svenska Mässan, Gothenburg

*The 5G network evolution drives distinct technologies and applications forward, not only the mobile broadband services, but also vertical industries across boundaries. Massive capacity, massive connectivity and diverse deployment scenarios bring the big challenges to 5G.*

*This workshop is set to give specific insight on the key requirements and applications of 5G in the telecom and datacom networks. Specifically, we will consider:*

- **The global 5G vision and road map**
- **5G field trial and optical access**
  - **5G transport systems**
- **Future enabling technologies for 5G**



# Special Event: Women's Leadership in Science and Technology, 09/2017



17-21/09/2017, Svenska Mässan, Gothenburg

- 2 invited speakers
- ~70 participants, free lunch

*To promote personal and professional growth for women in Science, Technology, Engineering and Mathematics (STEM) this special networking event was arranged as part of the ECOC 2017 conference.*

*Two top female leaders were invited and gave talks to share their personal successful experience with the participants with aim to inspire/encourage young female professionals and PhD students to be as future leaders in STEM areas.*

*A panel discussion followed for interaction between the speakers and audience while enjoying a light lunch.*



Pia Sandvik  
CEO, RISE



Anna Rathsman  
VP & CTO, SSC



# Optics and Photonics in Sweden, 17/11/2017

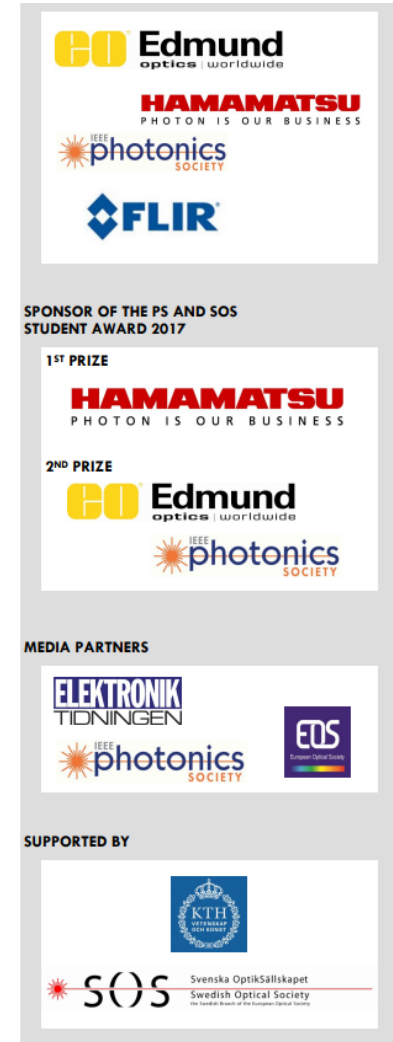
 **PhotonicSweden**  
18-19/10/2017, KTH/Electrum, Stockholm

- 2 key note speakers + several invited speakers
- 24 exhibiting companies
- 2nd award for best poster

*Invited talks will cover a variety of topics in Optics and Photonics, reflecting current Swedish research and development at universities, institutes and in the industry.*

*Keynote speakers Malgorzata Kujawinska and Zeev Zalevsky will highlight European research and developments.*

*A poster session will provide an additional opportunity to display to the most recent developments and achievements. It will also give an overview of Optics and Photonics in Sweden and offer a good platform for creating new collaborations.*



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**FLIR**

SPONSOR OF THE PS AND SOS STUDENT AWARD 2017

1<sup>ST</sup> PRIZE

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2<sup>ND</sup> PRIZE

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Swedish Optical Society  
The Swedish Branch of the European Optical Society

# Chalmers Workshop on Nanophotonics, 17/11/2017

- 1 IPS DL + more invited speakers
- Best PhD thesis award ceremony
- ~50 participants

*The aim of the Workshop is to bring together researchers and experts working in the diverse field of nanophotonics, and showcase our research to each other.*

*Invited lecture confirmed:  
Prof. Dr. Daniel Dan Wasserman on “The Mid-Infrared as an Optical Playground.”*



Prof. Daniel Wasserman  
Associate Professor  
The University of Texas at Austin



# 2018 plans

- Chalmers Workshop on “Microresonator Frequency Combs”
  - Sponsoring: **Remaining 2017 budget, Chapter’s 2017&2018 rebates**
- Co-sponsor/Co-organize Northern Optics 2018 (replaces OPS in 2018)
  - Sponsoring: IEEE Photonics Society
- Children/WIP-oriented event
  - Sponsoring: RISE Acreo, IEEE Photonics/WIP, IEEE/WIE
- Continue PLF meetings (x4)
  - No financial sponsoring needed
- ???